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**CHECKLIST #0405 FOR THE APPROVAL OF:  
FRAME STRUCTURES and PANELS USED IN OPEN STRUCTURES**

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- ☐ Basic Requirements Checklist.
- ☐ One set of the manufacturer's 'approval document'.
- ☐ Calculations verifying structural results of the tested framework/panel including:
  - a) Bending, shear, axial and combined stresses on the frame,
  - b) Deflection limits on the frame, siding and roofing (See the SFBC chapter 23),
  - c) Foundation support and overturning of the entire structure, and
  - d) Fasteners and connectors.
- ☐ Certified inspection report from mill supplying the metal panel material indicating:
  - a) Chemical composition, and
  - b) Structural properties. (I.e. Fu, Fy, E & Elongation.)
- ☐ One set of manufacturer's design drawings marked and verified by the testing laboratory.

**The following current laboratory tests and test reports in compliance with protocol PA 301.**

- ☐ Uniform static air test per PA 202. (for panels only)
- ☐ Gravity test load per SFBC chapter 23. (for framework only)
- ☐ Test verifying structural properties of materials used.

**Notes:**

1. For fabric covered framework's design pressure requirements see chapter 43 of the SFBC.
2. For removable sunshades, the basic wind speed shall be 75 mph.
3. If the structure has plastic as a component, add the plastics checklist to these requirements.
4. Metal siding and roof decking shall be designed without increase on stresses.
5. Specimen tested with 2.5'- 5.0'- 2.5' span shall have a 2.5:1 safety factor.
6. Specimen tested with 5.0' continuous span shall have a 2:1 safety factor.

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